

भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 17] नई दिल्ली, शनिवार, अप्रैल 28, 1979 (वैसाख 8, 1901)
No. 17] NEW DELHI, SATURDAY, APRIL 28, 1979 (VAISAKHA 8, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE PATENTS AND DESIGN

Calcutta, the 28th April 1979

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent bracket are the dates claimed under Section 135 of the Act.

22nd March, 1979

279/Cal/79. Cessella. Aktiengesellschaft. Water-soluble monoazo dyestuffs.

280/Cal/79. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Control of needle lift in fuel injectors.

281/Cal/79. International Standard Electric Corporation. High voltage integrated circuit switch.

282/Cal/79. Hoechst Aktiengesellschaft. Process for the continuous dyeing of textile webs of cellulose fibers with reactive dyes.

283/Cal/79. The Tata Iron & Steel Co., Ltd. Method of hot machining of metallic articles.

23rd March, 1979

284/Cal/79. Harish Chandra Purohit. An Automatic clothe washing machine.

285/Cal/79. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method and apparatus for separately stringing-up individual open-end spinning units.

286/Cal/79. AB Akerlund & Rausing. Container closure members.

287/Cal/79. Mining & Allied Machinery Corporation Ltd. Emulsifiable oil concentrates and to method for the preparation of same.

24th March, 1979

288/Cal/79. Stuart Surridge & Co. Ltd. Games equipment. (April 3, 1978).

289/Cal/79. Snamprogetti, S.P.A. Integrated ammonia-urea process.

290/Cal/79. Kenneth James Reed. Dry release transfers.

26th March, 1979

291/Cal/79. Wen-Fong Lee. Automatic magnetic switch. (27th April, 1978).

292/Cal/79. CPC International Inc. A process for producing in immobilised glucose isomerase.

293/Cal/79. Wheway Watson Holdings Limited. Improvements relating to scraper bar chain conveyors.

294/Cal/79. Labofina, S.A. Process for preparing styrenic resins.

295/Cal/79. Dunlop India Limited. Recovery of polycaprolactam (nylon 6) from waste.

296/Cal/79. Dunlop India Limited. A method of solidification of liquid antioxidant for rubber.

297/Cal/79. Johnson & Johnson. Low irritating detergent compositions.

27th March, 1979

298/Cal/79. Bobmar. Improved safety containers.

299/Cal/79. A/S N. Foss Electric. A dosage pump.

300/Cal/79. Siemens Aktiengesellschaft. Suspension railway track.

28th March, 1979

301/Cal/79. Zellweger Uster Ltd. A method and a device for regulating out variations in the sliver weight on cards, carding engines, draw frames and the like.

302/Cal/79. Zellweger Uster Ltd. A device for obtaining a control signal corresponding to the density of the fibre web lying on the cylinder of a card.

303/Cal/79. Saint-Gobain Industries. Pre-formed polymeric sheet for use in preparing a glazing laminate. [Divisional—dated to June 30, 1977].

304/Cal/79. Nauchno-Issledovatel'sky Monstruktorsko-Tekhnologicheskyy Institut Shinnoi Promyshlennosti. Pneumatic-tyre building drum.

305/Cal/79. Gould Inc. Process for plating a composite structure.

306/Cal/79. 608131 Lac Rao Parmjeet Singh. Improvements relating to drive mechanism for single track tricycle/motor tricycle.

APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

9th March, 1979

167/Del/79. Union Carbide Corporation. Vapor—liquid contacting tray with vapor thrust means.

12th March, 1979

168/Del/79. Washington State University Research Foundation, Inc. Process of forming basalt fibers with improved tensile strength.

169/Del/79. Societe De Vente De L'Aluminium Pechiney. A method of producing electrical contacts.

170/Del/79. Dr. Vijay Prakash Goyal. Vijay Spirometer.

171/Del/79. Gursarn Singh. An automatic transmission for motor cycles, Cars, etc.

13th March, 1979

172/Del/79. Aluminium Pechiney. A continuous process for obtaining pure alumina from an acidic liquor originating from the chlorosulphuric attack of an aluminous ore and for the purification of the liquor which has been freed from alumina.

173/Del/79. Pfizer Inc. Di-O-N-Alkyl Glycerol derivatives as immune stimulants.

14th March, 1979

174/Del/79. Aluminium Pechiney. A process for obtaining pure alumina by the hydrochloric attack of aluminous ores and extraction of the impurities by means of a sulphuric treatment.

15th March, 1979

175/Del/79. Prasavin International. Improvements in or relating to Utensil holder.

16th March, 1979

176/Del/79. Pierce Patin. A device for controlling the inclination of the body of a vehicle.

177/Del/79. Bayer Aktiengesellschaft. Dispersion for use in pulp production.

178/Del/79. The Miniature Bulb Industries (India) Private Limited. Improvements in or relating to incandescent lamps.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

23rd March, 1979

51/Mas/79. Sri V. K. Sethuraman. A regenerative process with SO_2 in which sodium chloride converted as sodium sulphate is used and regenerated in solution as NaCl for removal of CaCl_2 from the Soda Ash effluent as precipitated CaSO_4 with regeneration of SO_2 from CaSO_4 , and for recovery of NaCl solution for reuse in the Soda Ash manufacture.

24th March, 1979

52/Mas/79. Babu L. Padmaraj. Improvements in or relating to metallic cores in electric motors, transformers and allied equipment.

ALTERATION OF DATE

416/Cal/78. } Ante-dated to July 27, 1976.
146326

905/Cal/77. } Ante-dated to July 23, 1974.
146329.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 17 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 119-D. 146308.

Int. Cl.-D03d 33/00.

MULTIPLE LOOM.

Applicant : TEX INTERNATIONAL S.A. OF 2, BOULEVARD ROYAL, LUXEMBOURG, GRAND-DOCHE DE LUXEMBOURG.

Inventor : CHRISTIAN KIENER.

Application No. 562/Cal/76 filed March 31, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Multiple loom comprising at least two looms arranged side-by-side and at the most four looms arranged side-by-side and back-to-back in which each loom is self-working and the weft is introduced by a single flexible lance slidable on the

reed of the loom, each loom comprising a lance guide having approximately the shape of a quarter circle of which one extremity extends vertically upwards and a lance control mechanism mechanically connected with a gear wheel for actuating the lance, co-operating with the lance guide, the axis of the gear wheels of the multiple loom being aligned and situated in a vertical plane forming one of the symmetry plane of the multiple loom, the lance control mechanism being situated on each side of this vertical plane.

CLASS 129G & 177-D. 146309.

Int. Cl.-F16e 41/00.

A METHOD OF CONNECTING PIPES TO PRESSURE CONVEYING ELEMENTS SUCH AS PIPE PLATES, PRESSURE CONTAINERS, COLLECTORS.

Applicant : L. & C. STEINMULLER GMBH, OF D-527 GUMMERSBACH 1, FABRIKSTRASSE 1, GERMAN FEDERAL REPUBLIC.

Inventors : HANS KIFIN, (2) HORST KLIPPEL, (3) EUGEN KUHLE, (4) KURT CLEMENTS, (5) HANS BRUNINGHAUS, (6) KURT WOLLENWEBER, and (7) KONRAD NIFS.

Application No. 676/Cal/76 filed April 20, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A method of connecting a pipe to a pressure conveying element having a bore with a diameter slightly greater than the outer diameter of the pipe to be applied and to be connected to said pressure conveying element and also having an opening adjacent to said bore with a diameter greater than that of said bore so as to form on said conveying element radially inwardly extending lip means, providing the inside and outside of the pipe to be applied within the region of its intended connection to said conveying element with inner and outer lips respectively, introducing the thus prepared pipe into said bore so that one end of the said outer lip is substantially flush with said radially inwardly extending lip means, connecting said outer lip means to said lip by root-welding, preparing a centering bushing with a first section having an outer diameter slightly less than the inner diameter of said inner lip and having a second of a lesser diameter and projecting beyond said first section, introducing the thus prepared centering bushing into said pipe so that said second section of said bushing projects upwardly into said opening of said pressure conveying element whereas that end of said opening of said pressure conveying element whereas that end of said first section which is adjacent to said second section is substantially flush with the adjacent end of the inner lip of said pipe, and filling the annular space between the inner wall of said opening and the outer peripheral wall surface of said second section with welding material for creating a welding connection between said inner lip with said bushing.

CLASS 166-B. 146310.

Int. Cl.-B63b 21/52.

SINGLE-POINT MOORING BUOY.

Applicant : SINGLE BUOY MOORINGS INC., OF 12, RUE ABBE BOVET, FRIBOURG, SWITZERLAND.

Inventor : WILLEM JAN VAN HEIJST.

Application No. 1595/Cal/76 filed August 30, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Single-point mooring buoy comprising a column hingedly connected to an anchor and comprising at least one rigid column portion upstanding from the anchor and a buoyant body hingedly connected to the upper end of said column portion, the body being at least principally below the water level, the mass and dimensions of each rigid column portion being such that its frequency is less than 6 seconds and/or more than 16 seconds.

CLASS 68E1.

146311.

Int. Cl.-H02j 3/00.

AN APPARATUS FOR SUPPLYING PLURAL-PHASE A.C. VOLTAGES TO DEVICES.

Applicant : ULTRA CENTRIFUGE NEDERLAND N.V. OF 44, SCHEVENINGSEWEG, THE HAGUE, THE NETHERLANDS.

Inventors : PAUL IGNATIUS VERMAES, & PAUL JAN VINK.

Application No. 2185 Cal/76 filed December 10, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Apparatus for supplying plural-phase a.c. voltages to device, such as hysteresis motors of gas centrifugal machines, comprising a source of pulse width modulated signals; a single control circuit for generating control pulses, said control circuit including a respective control means associated with each phase of said plural-phase a.c. voltages, said control means being responsive to said pulse width modulated signals for generating control pulses for the phase with which said respective control means is associated; and plural voltage generating means coupled to said control means for receiving said control pulses therefrom, each of said voltage generating means including a pulse generator stage responsive to said control pulses and an output stage connected to said pulse generator stage for switching an output voltage between d.c. voltage levels, whereby a plural-phase a.c. voltage is derived from the output stages of respective voltage generating means coupled to corresponding ones of said control circuits.

CLASS 158-CJ.

146312.

Int. Cl.-B61k 1/00.

IMPROVED RAILWAY CAR COUPLER.

Applicant : AMSTED INDUSTRIES INCORPORATED, OF 3700 PRUDENTIAL PLAZA, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Inventor : HORST THOMAS KAUFHOLD.

Application No. 230 Cal/77 filed February 17, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

In a coupling arrangement for opposed Type "E" railway car couplers (10) which approach for coupling with the longitudinal axes thereof angularly related to each other at angles of from 0° to 134°, each coupler having a head (12) with a front buffing face and a knuckle (14) pivoted to the head, the knuckle having a nose portion (17) and a heel portion (30) with a pivot pin hole there-through, the improvement wherein each knuckle (14) has a front face including a first surface (22) extending transversely of the associated coupler when the knuckle is in closed position, and a second surface (26) sloping rearwardly from said first surface at an angle of approximately 12° and merging with the heel portion, said first and second surfaces intersecting at a point between the longitudinal axis of the associated coupler and a line parallel to that axis through the center of the pivot pin hole in the heel portion of the knuckle.

CLASS 32A2 & D.

146313.

Int. Cl.-CO9b 47/04; 62/00.

PROCESS FOR THE PREPARATION OF PHTHALOCYANINE COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

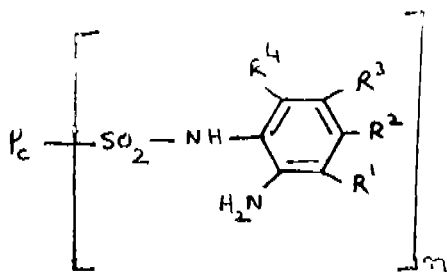
Inventor : HARTMUT SPRINGER.

Application No. 673/Cal/77 filed May 6, 1977.

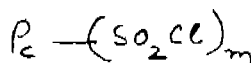
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

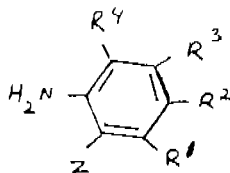
Process for the preparation of the phthalocyanine compounds according to the formula 1.



including the salts thereof, or isomers thereof in which Pc is the copper, cobalt or nickel phthalocyanine radical which may be substituted by substituents selected from the group halogen, phenyl, sulfo, sulfonamide, sulfonamide mono- or disubstituted by lower alkyl, N-arylsulfonamide and N-arylsulfonamide N-substituted by lower alkyl. R^1 , R^2 , R^3 and R^4 are the same or different and each represents a hydrogen atom, a halogen atom, a lower alkyl group which may optionally be substituted, or represents an aryl or a lower alkoxy group which may be substituted in the alkyl radical, or an aryloxy, carboxy, carbonamide group or a carbonamide group which is mono- or disubstituted by lower alkyl groups, or is an aryl-carbonamide group, a cyano or carbalkoxy group having 2 to 5 carbon atoms, an alkanoyloxy group of 2 to 5 carbon atoms, a lower alkenylsulfonyl group, a lower alkyl sulfonyl group optionally being substituted in the alkyl radical, or an arylsulfonyl, sulfo, sulfonamide, N-(lower alkyl) sulfonamide group optionally being substituted in the alkyl radical, or a N, N-di-(lower alkyl)-sulfonamide group optionally substituted in the two alkyl radicals, or a trifluoromethyl or nitro group or a lower alkylsulfonyl-amino group optionally substituted in the alkyl radical, or a N-(lower alkyl)-alkylsulfonylamino group whose lower alkyl radical present at the sulfonyl group may be substituted, or an alkanoylamino or alkenoyl-amino group having 2 to 5 carbon atoms each, a benzoylamino group optionally substituted by 1 or 2 substituents selected from the group chlorine, lower alkyl, lower alkoxy, sulfo, sulfonamide, carboxy, N-mono (lower alkyl)-sulfonamide and sulfonamide N, N-disubstituted by lower alkyl, or is an arylsulfonyl amino group or an alkanoyl group of 2 to 5 carbon atoms, or R^2 and R^3 together form the group $-NH-CO-NH-$ for all that at least one of the radicals R^1 , R^2 , R^3 and R^4 stands for hydrogen, and n is a number of from 1 to 4, which comprises reacting 1 mole of a phthalocyanine sulfochloride of the general formula-II.



in which Pc is defined as above and m is identical with n according to the definition of the latter as above or is greater than n , however, 4 at the most, with n moles of an amine of the general formula III.



in which R^1 , R^2 , R^3 and R^4 are defined above and Z represents an amino group, and hydrolyzing in usual manner in presence of acid binder upto 100°C simultaneously in this reaction step or subsequently, the sulfonyl-chloride groups which may still be present into sulfonic acid groups.

CLASS 151-C.

146314.

Int. Cl.-F16L 11/00.

METHOD OF PRODUCING A WRAPPED CYLINDRICAL ARTICLE.

Applicants & Inventors : (1) GALINA NIKOLAEVNA IVOVA, ULITSA GARIBALDI 16, KORPUS, 2, KV. 88, MOSCOW, USSR. (2) ELENA MILKATLOVNA GROZHAN, LENINGRADSKOE SHOSSE 104, KORPUS, KV. 6, MOSCOW, USSR. (3) GEORGY SEMENOVICH KONGAROV, 13, PARKOVAYA ULITSA, 26, KORPUS 1, KV. 4, MOSCOW, USSR. (4) ANATOLY PROKOFIEVICH BOGAEVSKY, FRUNZENSKAYA NABEREZHNYAYA, 38/1, KV. 163, MOSCOW, USSR. (5) ANASTASIA NIKOLAEVNA BOGAEVSKAYA, 2, KRESTOVSKY PEREULOK 8, KV. 183 MOSCOW, USSR. (6) TAMARA ANATOLIEVNA BOGAEVSKAYA, 2, KRESTOVSKY PEREULOK, 4, KV. 48, MOSCOW, USSR. (7) MIKHAIL ANATOLIEVICH BOGAEVSKY, FRUNZENSKAYA NABEREZHNYAYA, 38/1 KV. 163, MOSCOW, USSR.

Application No. 911/Cal/77 filed June 17, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A method of producing a wrapped cylindrical article such as a shaft, hose or pipe, having a polymeric wrapping tape on its surface characterised by the step of helically wrapping its surface with said tape thereby forming a parallelogram in the cross-section in such a manner that the adjacent turns of the tape adjoin to one another with their lateral sides, and thereafter subjecting said wrapped article to heat treatment at a temperature of from 150°C to 200°C so that a solid polymeric layer is formed from the turns of the tape thereby resulting into a polymeric wrapped cylindrical article.

CLASS 39K & 40-I.

146315.

Int. Cl.-G01n 21/00; G01d 5/26.

DEVICE FOR DETECTING THE CONCENTRATION OF NITRIC OXIDE IN A GAS MIXTURE.

Applicant : HARTMANN & BRAUN AKTIENGESELLSCHAFT, OF GRAFSTR. 97, D 6000 FRANKFURT/MAIN 90, FEDERAL REPUBLIC OF GERMANY.

Inventors : WALTER FABINSKI, & DR. REIMAR FAULHABER.

Application No. 139/Del/77 filed June 27, 1977.

Convention date October 21, 1976 (43745/76) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A device for detecting the concentration of nitric oxide in a gas mixture comprising a hollow cathode lamp filled with air at under-pressure and driven by low discharge current and emitting resonance radiation of nitric oxide, a filter arrangement including a filter vessel filled with nitric oxide, the filter vessel being alternately movable into and out of the path of the radiation, a monochromator or interference filter positioned in the radiation path after the filter arrangement, a beam splitter positioned after the monochromator or interference filter to divide the radiation path into two paths, a vessel for the gaseous mixture in one of said two paths, a detector at the end of each of said two paths each for receiving two alternating amounts of radiation whose alternation is controlled by the filter arrangement and means for producing quotients from the simultaneous output signals of the detectors and further means for processing these quotients to produce a value related to the concentration of the particular gas to be detected.

CLASS 90H.

146316.

Int. Cl.-C03b 17/00, 35/00.

CYLINDER AND PISTON ASSEMBLIES IN GLASS-WARE FORMING APPARATUS.

Applicant : FMHART INDUSTRIES, INC., 426 COLT HIGHWAY, FARMINGTON, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : THOMAS VINCENT FOSTER.

Application No. 958/Cal/76 filed June 2, 1976.

Convention date June 19, 1975 (26114/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Glassware forming apparatus including a mechanism which is movable between first and second positions during the formation of glassware in the apparatus, and a cylinder and piston assembly for moving the mechanism between the first and second position, the cylinder and piston assembly comprising a cylinder having opposed end walls, a piston slidably mounted in the cylinder for reciprocation between the end walls of the cylinder without rotation of the piston relative to the cylinder, and means for producing a cushioning effect as the piston nears the end of the piston stroke in one direction, wherein the said means for producing the cushioning effect comprises a plurality of members of different lengths slidably carried by the piston, a plurality of exhaust openings in each of the opposed end walls of the cylinder, corresponding to one another both in position and size, there being a greater number of exhaust openings than there are slidable members, and the slidable members each cooperating with one of the exhaust openings in each of the opposed end walls of the cylinder whereby, during reciprocation of the piston, the members are effective to produce a progressively enhanced cushioning effect by closure of the corresponding exhaust openings when the piston reaches predetermined distances from the ends of the piston stroke, all the members being slidably re-positioned by contact with an end wall of the cylinder at the end of a piston stroke in one direction for effecting said progressively enhanced cushioning at the end of the piston stroke in the other direction.

CLASS 188.

146317.

Int. Cl.-C23c 1/08.

IMPROVED PROCESS FOR HOT DIP GALVALUMINISING (ALUMINIUM, ZINC ALLOY COATING) OF STEEL SUBSTRATES USING AQUEOUS OR MOLTEN SALT FLUX.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, IN INDIA.

Inventors : BAIKUNJE ANANTHA SHENOI, VENKATARAMAN SIVAN, SANDIP KUMAR ROY AND VENKATARAMAN BAI ASUBRAMANIAN.

Application No. 1224/Cal/76 filed July 9, 1976

Complete specification left July 8, 1977.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An improved process for hot dip galvaluminising (Al-Zn alloy coating) of steel substrates using aqueous or molten salt flux comprising degreasing the steel substrate in an aqueous alkali solution washing and pickling in an acid solution then washing and fluxing in aqueous or molten solutions such as herein described wherein the improvement comprises in that the hot dipping is carried out in a molten bath containing an alloy of Al-Zn with 55 to 70% aluminium, 28—45% Zinc and 0.5—2% silicon at 600—700°C to get a lustrous smooth spangled coating.

CLASS 68E₁ & 69-D.
Int. Cl.-H01h, 47/00.

146318.

IMPROVEMENTS IN OR RELATING TO DIRECTIONAL RELAYS.

Applicant : THE GENERAL ELECTRIC COMPANY LIMITED, OF 1 STANHOPE GATE, LONDON W1A 1EH, ENGLAND.

Inventors : ILONARDO PEREZ-CAVERO.

Application No. 1262/Cal/76 filed July 14, 1976.

Convention date July 22, 1975 (30603/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A directional relay arrangement for a polyphase electric power transmission system comprising : means for producing first and second voltages from quantities available at the relaying point; and comparator means for comparing the amplitudes of said first and second voltages, characterised in that said means for producing said first and second voltages comprising : a voltage transformer arrangement which produces an output voltage representative of a voltage V_A ; a current transformer arrangement which produces output voltages respectively representative of voltages $I_A Z_r'$ and $I_A Z_r''$, and means for combining the output voltages of said transformer arrangements to produce first and second voltages respectively of the form

$$\begin{aligned} V_A \mp I_A Z_r' \quad \text{and} \\ V_A \pm I_A Z_r'' \end{aligned}$$

where V_A is the zero or negative sequence voltage at the relaying point; I_A is the corresponding current at the relaying point; and Z_r' and Z_r'' are impedances having values such that the first and second voltages respectively simulate zero or negative sequence voltage at different points so that the amplitude difference of said first and second voltages under fault conditions corresponds in sense to the sense of the variation of the zero or negative sequence voltage of the system between the relaying point and the fault point in a given direction along the system; and characterised in that said comparator means comprises means connected with said combining means to indicate the sense of the amplitude difference of said first and second voltages.

CLASS 37-B.

146319.

Int. Cl.-B04b 5/00.

PUSH TYPE CENTRIFUGE.

Applicant : ESCHER WYSS LIMITED, OF HARDSTRASSE 319, 8023 ZURICH (SWITZERLAND).

Inventors : PETER FANTA.

Application No. 1832/Cal/76 filed October 6, 1976.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Push type centrifuge having a rotor and a stationary housing and rotor comprising a shaft and a centrifuging drum and a push plate and a push motor; said push motor comprising a push piston and a push cylinder, a pressure medium source for said motor; said push cylinder being connected fast to said housing; and said push piston rotating with said rotor; the improvement that a double-acting axial bearing mounts said shaft of said rotor and said push cylinder of said push motor one within the other.

CLASS 40-F.

146320.

Int. Cl.-B01d 9/00, B01j; 17/00; 17/40; D01f 9/00; D01d 13/00.

METHOD AND APPARATUS FOR REDUCING RESIDUAL STRESSES IN CRYSTALS WHILE THE CRYSTALS ARE BEING PULLED FROM A MELT.

Applicant : MOBIL TYCO SOLAR ENERGY CORPORATION, OF 16 HICKORY DRIVE WALTHAM, MASSACHUSETTS, U.S.A.

Inventor : DAVID NORLIN JEWETT.

Application No. 810/Cal/77 filed May 30, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

An apparatus for use in growing and drawing a substantially monocrystalline body of a selected material such as silicon from a melt of the same, said apparatus comprising a capillary die for establishing a melt/solid growth interface, means for drawing a growing substantially monocrystalline body progres-

sively from said interface along a predetermined axis, and a temperature profile controller for controlling the temperature distribution along the length of said body so as to reduce thermal stresses, said temperature profile controller including a heat flow means which comprises at least one block of heat conductive material elongated lengthwise of said axis and defines a passageway bounded at least in part by said heat conductive material through which said body may be drawn, and insulating means disposed on the outside of the said heat flow means and arranged so as to cause conduction to be the predominant heat flow process at all points along the length of said heat flow means.

CLASS 180.

146321.

Int. Cl.-F24b 1/16.

PORTABLE COAL-FIRED DOMESTIC CHULLAH.

Applicant & Inventors : SHRI HIMANGSHU BHUSHAN GHOSE, SHRI SISIR KUMAR MUKHERJEE, SHRI DEBIDAS BASU, SHRI RANJIT KUMAR CHAKRABARTY, SHRI CHANDRA KANTA BASU AND SHRI BHAGWAN SINGH, ALL OF CENTRAL MINE PLANNING AND DESIGNS INSTITUTE LIMITED, RANCHI-1, BIHAR, INDIA.

Application No. 1326/Cal/77 filed August 25, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A portable coal-fired domestic chullah comprising two concentric chambers with a removable grate and pre-heated air distributor such as herein described provided in the inner chamber with perforated wall, the top of the outer carbonisation chamber being covered with a top cover plate made leak-proof with the help of asbestos rope resting on the top flange welded to the top edge of the outer wall of the carbonisation chamber in which raw coal is devolatilised by the heat generated due to burning of coal in the inner chamber, the carbonisation chamber is sealed from all the sides excepting for the opening for volatiles, the volatiles having passage through the perforation of the wall of the inner chamber into the inner chamber, get burnt in contact with red-hot coke particles and in support of pre-heated secondary air.

CLASS 121 & 194Cac.

146322.

Int. Cl.-H01j 1/62; 61/00.

ELECTRIC GAS DISCHARGE LAMP.

Applicant : N. V. PHILIPS GLOEILAMPENFABRIKEN, AT EMMASINGEL, EINDHOVEN, NETHERLANDS.

Inventors : TOMAS LAMMERT WILLEM REININGA, MR. WILLEM LAMBERTUS WANMAER, LAMBERTUS WILHELMUS JOHANNES MANDERS AND JOHANNES WILHELMUS TER VRUGT.

Application No. 902/Cal/75 filed May 5, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Electric gas discharge lamp provided with a layer of granular luminescent material which is located on that surface of a support which faces the discharge, characterized in that the layer comprises at least two superposed component layers which, with the exception of the component layer facing the discharge, consist of a mixture of the luminescent material and a white material such as herein described which is non-luminescent and has an absorption for ultraviolet radiation of a wavelength of more than 240 nm which is less than 20% of the absorption of this radiation by that constituent of the luminescent material which has the smallest absorption for this radiation the ratio of the amount of white material to the amount of luminescent material in a component layer increasing with the distance of this layer from the discharge.

CLASS 32F_{2a}, 55E₂ & 189.

146323.

Int. Cl.-C07c 101/74.

PROCESS FOR THE PREPARATION OF AMINOSALICYLIC ACID ESTERS.

Applicant : MUNDIPHARMA AG. OF ST. ALBAN-VORSTADT 94, POSTFACH, CH 4006 BASEL, SWITZERLAND.

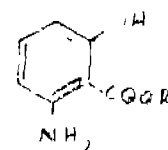
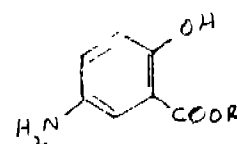
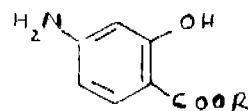
Inventors : ALFRED HALPERN AND ERNEST JACKSON SASMOR.

Application No. 471/Cal/77 filed March 29, 1977.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

Method for preparing aminosalicilate esters with ultra violet ray screening properties, selected from the group having the structure of formulae, I, II & III.



wherein R represents alkali radicals having from 1 to 18 carbon atoms in chain length, comprising the steps of :

(a) dissolving in ethyl acetate, an alkyl ester of nitro salicylic acid, said alkyl group consisting of from 1 to 18 carbon atoms in chain length,

(b) adding Raney nickel hydrogenation catalyst,

(c) hydrogenating at 10 pounds psi hydrogen gas pressure at 80°C.

(d) cooling, filtering, and recovering therefrom the formed respective alkyl aminosalicylate ester.

CLASS 155B & 155F₁.

146324.

Int. Cl.-D06m 13/00; 15/00.

PROCESS OF TREATING FABRICS WITH FOAM.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : ANDREW TAINTER WALTER, GEORGE MACON BRYANT, AND RONALD LOUIS READSHAW.

Application No. 733/Cal/77 filed May 16, 1977.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

In a method of treating a porous substrate such as hereinbefore described by the application to the surface thereof of a functional treating composition, the steps of :

(a) foaming by conventional method said functional treating composition to produce a foam having a foam density of from 0.005 to 0.3 gram per cc. and having an average bubble sizes of from 0.05 to 0.50 millimeters in diameter.

(b) continuously conveying the foamed functional treating composition to an applicator nozzle,

(c) continuously conveying the substrate across and in contact with said applicator nozzle so as to simultaneously contact said substrate with said foamed functional treating composition and said applicator nozzle at a rate that the machine contact time is equal to or less than the equilibrium-contact time.

(d) depositing in a known manner a predetermined, controlled amount of said foamed functional treating composition on the surface of said substrate at said applicator nozzle and

(e) recovering in a known manner the treated substrate wherein the functional treating composition comprises from 5 to 75 weight percent of functional chemical such as hereinbefore described from 0.2 to 5 weight percent of foaming agent such as hereinbefore described from 0 to 5 weight percent of wetting agent such as hereinbefore described and water making up the balance thereof.

CLASS 32A₁ & 62c₁ & c₂ & c₃ & c₄.

146325.

Int. Cl.-C09b 29/00; 62/00; 65/00.

A WATER-FREE, SOLID WATER-SOLUBLE DYEING COMPOSITIONS.

Applicant : HOECHST AKTIENGESellschaft, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : FRHARD WÖRTEL & JOSEF IANDLER.

Application No. 1702/Cal/77 filed December 7, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A water-free, solid, water-soluble dyeing composition which contains a diazotizable aromatic amine such as herein defined, a coupling component such as herein defined and an alkali metal nitrite, wherein at least one of the diazo and coupling components contains at least one free acid group and at least one fiber-reactive group, the fiber-reactive group—if it contains a water-solubilizing free acid group optionally being this free acid group.

CLASS 32F₀₆.

146326.

Int. Cl.-C07c 121/18.

A METHOD FOR THE PREPARATION OF 3, 7-DIMETHYL-2-OCTENENITRILE.

Applicant : ANIC S.P.A., OF VIA M STABILE 216, PALERMO, ITALY.

Inventors : RENATO DE SIMONE, EDOARDO PLATONE AND MORFLO MORELLI.

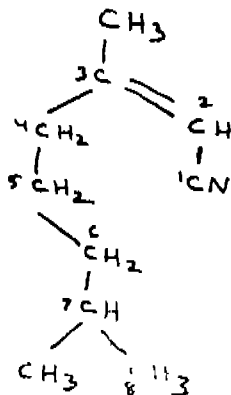
Application No. 416/Cal/78 filed April 14, 1978.

Division of Application No. 1337/Cal/76 filed July 27, 1976.

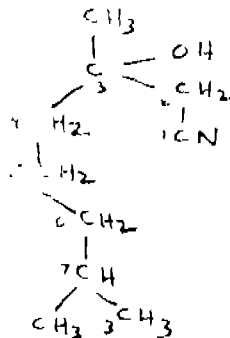
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A method for the preparation of 3, 7-dimethyl-2-octenenitrile of formula (1),



characterized in that 3, 7-dimethyl-3-hydroxy-octanenitrile of formula (1A)



is treated with a basic aluminium oxide at a temperature of from 220°C—230°C and for a time of at least 90 minutes in an inert gas atmosphere.

CLASS 32F_{2c}.

146327

Int. Cl.-C07c 39/06.

IMPROVEMENTS IN OR RELATING TO THE PREPARATION OF O-ISOPROPYLPHENOLS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, OF RAJI MARG, NEW DELHI-1, INDIA.

Inventors : DR. KIKKERI JAGANNATH DIVAKAR, MR. VIJAY VASANT DHEKNE, MRS. BHARATI SUBHASH KULKARNI AND DR. TLEVOOR SOMASEKAR RAO.

Application No. 70/Del/77 filed April 6, 1977.

Complete specification let the June 17, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

A process or the preparation of o-isopropylphenols which consists of heating the corresponding 4-methylcoumarins in ethanediol in the presence of sodium hydroxide to furnish a solution of corresponding o-isopropenylphenols in sodium hydroxide ethanediol mixture, followed by conversion of the o-isopropenylphenols to corresponding o-isopropylphenols employing known art.

CLASS 40F.

146328.

Int. Cl.-B01j 9/00; B01i 1/00.

IMPROVEMENTS IN OR RELATING TO DEVICE FOR DEPOSITING HOMOGENEOUS AND PIN HOLE FREE FILMS OF DIELECTRIC MATERIALS ON SUBSTRATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventor : AWATAR SINGH.

Application No. 84/Del/77 filed April 30, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

An improved device for depositing homogeneous and pin hole free films of dielectric materials such as silicon monoxide on substrates of the type described herein consisting of three chambered evaporation box with flattened ends connected to a high current transformer and a electricity power source wherein the material to be deposited is filled into the bottom chamber and as the chambers get electrically heated up by passing high current, the vapours issuing through the top chamber get deposited on the substrate held thereon, the whole device being operated in a vacuum chamber.

CLASS 32A2.

146329.

Int. Cl.-C09b 62/04.

PROCESS FOR THE MANUFACTURE OF VAT DYES

Applicant : CIBA-GEIGY AG., KLYBFCKSTRASSE 141, BASLE, SWITZERLAND.

Inventor : HANS ALTERMATT.

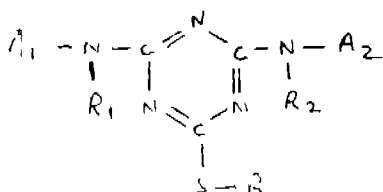
Application No. 905/Cal/77 filed June 16, 1977.

Division of Application No. 1639/Cal/74 filed July 23, 1974.

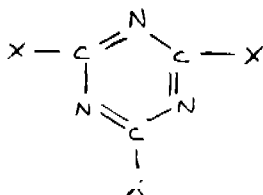
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

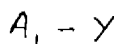
A process for the manufacture of vat dyestuffs of the formula (1).



wherein R represents alkyl with 1 to 4 carbon atoms, each of R₁ and R₂ represents hydrogen or alkyl with 1 to 4 carbon atoms and each of A₁ and A₂ represents a vatable radical with 3 to 7 condensed rings, which process comprises condensing in a known manner such as herein described an s-triazine of the formula (4).



wherein one X represents an amino group of the formula -N(R₁)H, the second X represents an amino group of the formula -N(R₂)H and the third X represents an alkylthio group of the formula -S-R₃, with vatable compounds of the formula (5) and (6).



wherein Y and Z represent halogen atoms and R₁, R₂, R₃, A₁ and A₂ have the meanings assigned to them hereinbefore, reacted in a molar ratio of 1 : 1 : 1, to give vat dyestuffs of the formula (1).

CLASS 136C & E.

146330.

Int. Cl. B29d 7/00.

A DEVICE FOR COLLAPSING INFLATED BALLOONS OF THERMOPLASTIC FILMS.

Applicant : LAMINA INDUSTRIES PVT. LTD. OF 21, INDUSTRIAL ESTATE, POLOGROUND, INDORE, MADHYA PRADESH, INDIA.

Inventors : DINKAR SADASHIVA DEODHAR AND HARINDRA CHUNIBHAI PATEL.

Application No. 209/Bom/75 filed August 2, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A device for collapsing inflated balloons of thermoplastic film, said device comprising a pair of oppositely-disposed vertical beards having parallel upper parts and mutually diverging lower parts so that an inverted funnel-shaped passage is formed for the inflated balloon, a plurality of spaced-part transverse openings provided in each board and covered by a heater cover and a plurality of far infra-red heaters located on the outside of each said beard and in line with each said transverse opening so that far infra-red radiation is applied to the inflated balloon through each said transverse opening.

CLASS 60A.

146331.

Int. Cl.-A44b 11/00.

IMPROVEMENTS IN OR RELATING TO FASTENERS FOR USE IN SAFETY BELTS AND THE LIKE.

Applicant & Inventors : MRS. JOYCE PERERIA OF BOND SAFETY BELTS, BAKHTAVAR, OPP : COLABA POST OFFICE, COLABA, BOMBAY-400 005, MAHARASHTRA, INDIA.

Application No. 243/Bom/76 filed July 20, 1976.

Addition to No. 104640.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

An improved fastener for use in safety-belts and the like, characterised in that it comprises a base with a spring loaded clasp and locking member, said clasp and locking member being pivotally attached to the base by means of a pin-joint to enable said clasp and locking member to pivot about the pin-joint; a locking tongue which is capable of being manually inserted in between the locking member and base at least one slot cut in the locking tongue near one of its ends and another slot in the base, said slots being provided for the purpose of engaging with, and securing, the ends of the safety-belt; a first pair of slots disposed near the other end of the locking tongue and a corresponding second pair of slots in the base, said locking member aforesaid being adapted to engage with the said first pair of slots in the locking tongue and the corresponding second pair of slots in the base, whenever the locking tongue is fully thrust in between the locking member and base and thus adapted to lock the said tongue in position, to fasten the belt.

OPPOSITION PROCEEDINGS

An opposition has been entered by Research, Designs and Standards Organisation to the grant of a patent on application No. 145211 made by Guest Keen Williams Limited.

PATENTS SEALED

143790 143795 143905 143906 143915 143921 143923 144006 144009 144023 144029 144053 144068 144072 144086 144127

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Ciba-Geigy AG., in respect of patent application No. 141639, as advertised in Part III, Section 2 of the Gazette of India dated the 18th November, 1978 have been allowed.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146(2) of the Patents Act 1970, in respect of Calendar year 1977 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Serial No.	Pat. No.	Date of Patent	Name & Address of the patent	Brief title of the inventions.
1	2	3	4	5
1.	88211	30-5-63	Trutzschler & Co. Duvonstr 82-92, Rheydt-Odenkirchen, West Germany.	Fedder for a carding machine.
2.	98955	12-4-65	Do.	Fibre mixing apparatus
3.	111466	11-7-67	Chemichau Dr. A. Zieren GmbH, Aachenerstrasse 958 Skoln-Bransfeld, West Germany.	Heating tube rotary furnace for calcining roasting or drying purposes
4.	113179	14-11-67	Walter Jeanmaire, Kollnam, Black Forest, Germany.	A device for regulating the feed of flock feeding means to carding engines.
5.	113245	20-11-67	Trutzschler & Co., West Germany.	A machine for opening cotton bales.
6.	117836	25-9-68	Do.	Apparatus for the pneumatic feeding of fibre tufts to spinning mill machinery.
7.	124948	20-1-70	Do.	Apparatus for the opening of textile fibre bales.
8.	128092	19-8-70	Do.	Setting stack for pneumatically conveyed flasks.
9.	130949	13-4-71	Saint Gobain Industries, 62 Blvd Victor Hugo, Neuilly, Sur-seine, France.	Apparatus for the formation of sheets or maps of fibres of thermoplastic material.
10.	131659	9-6-71	Joseph Lucas Australia Propertary 1150-Nepcan Highway, Chesterhaun Victoria, Australia.	Starter motors for motor cars.
11.	131691	14-6-71	Dunlop Holdings Ltd., Dunlop House, Ryder Street, St. James London SW1, England.	Tyre and wheel assemblies.
12.	131692	14-6-71	Do.	Pneumatic tyres.
13.	131693	14-6-71	Do.	Do.
14.	131737	16-6-71	Do.	Tyre & wheel assemblies.
15.	131738	16-6-71	Do.	Do.
16.	131739	16-6-71	Do.	Pneumatic tyres
17.	131740	16-6-71	Do.	Tyre & wheel assembles
18.	131741	16-6-71	Do.	Do.
19.	131747	16-6-71	Snamprogetti S. p.A., 16 Corso Vanezia, Milan, Italy	Production of composit yarns apparatus suitable for relisising the same & yarns obtainable thereby.
20.	131761	17-6-71	Dunlop Ltd., England.	Printers blanket.
21.	131780	18-6-71	USS Engineers & Consultants Inc., 525-William Penn Place, Pittsburgh Pennsylvania, U.S.A.	Tundish & methods of preheating same.
22.	131831	22-6-71	Schwarz Mining & Industrial Ltd., Jack Reo Kennedy U.S.A.	Air stoppong in underground mines.
23.	131835	22-6-71	Dr. O. A. Becker FRG	Composite structural unit for thermal & acoustic insulation
24.	131904	29-6-71	Joseph Lucas Industries Ltd., Great Kings Street, Birmingham, England.	Anchorage device
25.	131906	29-6-71	Kentredder Ltd., Longuesville St. Saviour Jersey, England.	Machine for buffing tyre threads and the like
26.	131964	2-7-71	Dunlop Holdings Ltd., England.	Pneumatic tyres.
27.	131965	2-7-71	G. D. Societa Per Azioni, Via Pomponia 10, Bologna, Italy	Device for controlling the feed rate in Cigarette packing mechanism.
28.	132090	13-7-71	Joseph Lucas Industries Ltd., England.	Vehicle lamps.
29.	132119	14-7-71	Reinsenhauer K. G. 521 Trosidorf, Frankfurtstr 46-48 FRG	Worm extrusion press for plastics
30.	132174	20-7-77	Joseph Lucas Industries Ltd. England.	Ignition distributors for road vehicles.
31.	132197	22-7-71	Do.	Braking system for vehicles.
32.	132264	27-7-71	Do.	Fault display unit for a vehicle.
33.	132265	27-7-71	Do.	Battery changing system for road vehicle.

1	2	3	4	5
34.	132267	27-7-71	Johnson & Johnson sol George Street, New Brunswick, New Jersey U.S.A.	Bownded non woven fabric and synthetic resin binder composition.
35.	132312	31-7-71	Joseph Lucas Industries Ltd., England.	Starting system for road vehicle.
36.	132392	5-8-71	Siemens, Berlin & Munich.	Strip line Y circulators.
37.	132427	9-8-71	Brico Engineering Ltd., Holbrook Lane, Conventry, England.	Fuel injector systems
38.	132429	9-8-71	Itek Corp., 10, Magurie Road, Lexington, Massachusetts U.S.A.	Photographic plate & process of producing the same.
39.	132488	12-8-71	Voith Getriebe KG Heidenheim, Brenz., West Germany.	Hydrodynamic torque converter.
40.	132505	16-8-71	Brico Engineering Ltd., England.	Fuel Injector.
41.	132557	18-8-71	Butlers Ltd., England.	Bulb holders.
42.	132560	18-8-71	Dunlop Holdings Ltd., England.	Manufacturing cured articles.
43.	132567	18-8-71	Leslie Cordon Hudson, Little Copped Hall Epping, Essex England.	Apparatus for performing tubes.
44.	132659	25-8-71	USS Engineers & Consultants Inc., 600 Grant street, Pittsburgh, Pennsylvania, U.S.A.	Effecting the rapid heat treatment of steel plants.
45.	132734	1-9-71	Brico Engineering Ltd., England,	Fuel injector systems
46.	132832	8-9-71	USS Engineers & Consultants Inc., 600 Grant street, Pittsburgh, Pennsylvania, U.S.A.	An assembly for attachment to a bottom pour vessel for controlling flow liquid through a nozzle.
47.	132834	8-9-71	Wieland and werke AG 7900 Ulm FRG	Pipe rolling machine for insertion of pipes.
48.	132835	8-9-71	Do.	Rolling ribbed tubes.
49.	132838	8-9-71	Instramentics Inc., 1115 East Elm Avenue. Fullerton, California U.S.A.	Receive of disposed surgical implements.
50.	132857	9-9-71	Koninklijke Nederlandsche etc of IJmuiden The Netherlands.	Apparatus for controlling the conveyance of loose bulk materials.
51.	132866	10-9-71	Dunlop Holdings Ltd., England	Pneumatic tyres.
52.	132888	13-9-71	Schubert & Salzer etc., Romerstrasse 11/12 8070 Ingostadt., West Germany.	A Feeding device for fibre silver spinning apparatus.
3.	132906	14-9-71	Koninklijke Nederlandsche etc., The Netherlands.	A device for mixing & homogenising of bulk materials.
4.	132935	16-9-71	Voith Getriebe KG Heidenheim Bernz, West Germany.	Single stage hydrodynamic torque converter.
55.	132945	17-9-71	Tallemache Environment Eng. Ltd., 143, Maple Road, Surbiton, Surrey, England.	Ballistic separator/pulverizer
56.	132991	21-9-71	G. W. B. Boilers Ltd., Burton Works Dudley, Worcester, England.	Industrial Boilers.
57.	133025	23-9-71	Scovill Nanu Co., Waterbury New Haven, Connecticut U.S.A.	Insert Core mechanism of pneumatic valve
58.	133026	23-9-71	Do.	Pneumatic Valve Insert
59.	133027	23-9-71	Do.	Valves for tubeless tyres.
60.	133028	23-9-71	Bunker Ramo Corp., 900 Commerce Drive, Oak, Brook, Illinois U.S.A.	Closure for a connector bore.
61.	133127	5-10-71	Do.	Controlled insertion force receptacle for flat circuit bearing element.
62.	133133	6-10-71	Vereinigte Österreichische etc. Vienna, Werkgelede, 4010, Linz Austria.	Converter with a detachable floor.
63.	133163	7-10-71	Joseph Lucas Industries Ltd., Great Kings Street, Birmingham, England.	Control circuit for vehicle window lift Mechanism.
64.	133174	8-10-71	Do.	Ignition distributors.
65.	133206	11-10-71	Pignone Sud spa 110, Via Buruno Buozzi, Bari, Italy	An adjusting valve
66.	133238	15-10-71	Cluett Peabody & Co., Inc. 433, River St., Troy N. Y. U.S.A.	Compressively shrinking simultaneously a plurality of layers of fabrics
67.	133239	15-10-71	Jerris B. Webb Co., 9000 Alpine Avenue, Detroit, Michigan 48204 U.S.A.	Conveyor carriers
68.	133282	20-10-71	Joseph Lucas Industries Ltd., England.	Lamp failure warning systems
69.	133324	22-10-71	Ruti Machinery Works Ltd., CH 8630 Ruti Zurich, Switzerland.	Holder for a loom reed

1	2	3	4	5
70	133428	22-9-72	Hamel GmbH 44 Munster/Westf Dahlweg 102, FRG	Thread craking device for double stran yarn spindles
71	133515	6-1-71	S I T S Bn, Rue de Bern Paris, 8 Siene, France	Treatment of textile material by the exhaus- tion process
72	133560	10-11-71	USS Engineers & Consultants Inc, Pitts- burgh, Pennsylvania, U S A	Temperature sensing device
73	133562	10-11-71	Indian Explosives Ltd, 34, Chowringhee Calcutta 700 016 India	Borehole loading nozzle for loading bore- holes with slurry explosives
74	133567	10-11-71	S Mann of Ground floor, 130 13, Jodhpur Park, Calcutta 31, India	Hydraulic pumps or motors
75	133568	10-11-71	Do	Gear pumps
76	133579	11-11-71	Joseph Lucas Industries Ltd, Great Kings Street, Birmingham, 19 England	Conversion kit for use with vehicle igni- tion system
77	133603	12-12-71	Schubert & Salzer etc, Romerstrasse, 1/2, 8070, Ingolstadt, W Germany	Apparatus for picking yarn in an open end spinning device
78	133643	16-11-71	Ludwig Japnoge, 4034, Angeismuned, Wachelderstrasse 7 FRG	A filter device for separating solids from fluids flowing in pipes.
79	133645	9-2-73	Snamprogetti S p A 16, Corso Venezia, Milan, Italy	Apparatus suitable for with standing high internal press
80	133652	17-11-71	Joseph Lucas Industries Ltd, England	Ignition coils
81	133655	17-11-71	Voith Getriebe K G Heddendun/Brenz FRG	Hydrodynamic vehicle gear boy particu- larly for rail locomotives
82	133667	18-11-71	Joseph Lucas Industries Ltd, England	Ignition switches
83	133685	19-11-71	Do	Electromagnetic actuating device for a fuel valve for an I-C engine
84	133692	22-11-71	The Goodyear Tire & Rubber Co, 1144, East Market Street, Akron, Ohio, USA	A tyre building machine method of build- ing pneumatic tyre
85	133695	22-11-71	USS Engineers & Consultants Inc, 600, Grant Street, Pittsburgh, Pennsylvania, U S A	A continuous casting machine.
86	133706	23-11-71	Joseph Lucas Industries Ltd, England	Contact breaker assembly
87	133817	1-12-71	Dr Carl Ullrich Peddinghaus 56, Wappertal- Barmen Oberehidition Plätzen Strasse 276 FRG	Hydro pneumatic piston & Cylinder damping device
88	133818	1-12-71	Joseph Lucas Industries Ltd, England	Solenoid for use in an engine starting mechanism
89	133821	1-12-71	Ethicon Inc, Somerville, New Jersey, USA	Process for obtaining a sterile absorbable surgical suture
90	133845	4-12-71	Industries Pirelli Societa Per Azioni, Centro Pirelli, Piazza Duca D' costa, No 3 Milan 20109 Italy	Radial cord carcass tyre leads.
91	133884	8-12-71	Shell International Research etc, Carel van Bylandtlaan 30, The Hague, The Nether- lands	Mixing apparatus for gasses
92	133917	10-12-71	Schubert & Salzer etc, Romerstrasse, 1/2, 11/12, 8070, Ingolstadt, W Germany	Apparatus for stopping & starting one or more open and spinning device
93	133928	13-12-71	Showa Denko K- K of No 34 Shiba Miya- moto, Minato-ki, Tokyo Japan	Sintered agglomerates
94	133934	14-12-71	Pipe Supports Ltd, 7 Corp Work, Hainge Road, Jividsals, Warley Warcester, Eng- land	Pipe supports
95	133985	17-12-71	Hindustan Lever Ltd, H L House, Back- bay Reclamation, Bombay	Preparing an animal food stuff.
96	134007	20-12-71	Telephone-Und Telegraphen etc Wagenseil- gasse 1 Wien XIII Austria	Apparatus for joining a tubular thermo plastic container jacket
97	134013	20-9-71	Schoville Manu Co, Waterbury New Haven, Connecticut U S A	Valves pressurible container
98	134024	21-12-71	USS Engineers & Consultants Inc, 600, Grant Street, Pittsburgh, Pennsylvania, U S A	Making stabilized steel ingot
99	134049	23-12-71	Svenska Akt Bromsregulator, Adel gaton 5, 21122 Malm, Sweden	Pneumatic cylinder piston unit for rail way break reggings
100	134051	23-12-71	Joseph Lucas Industries Ltd, England	Inlet manifolds for an I-C engine
101	134053	24-12-71	Do	Vehicle lamps

1	2	3	4	5
102.	134054	24-12-71	Gestetner Ltd., Fawley Road, Tottenham, London N 17 England.	Duplicating stencils
103.	134055	24-12-71	Dunlop Holdings Ltd., England	Wheel
104.	134072	27-12-71	Mass transfer Ltd., Dist Bank Chambers, High Street, N. Castle, England.	Fluid-fluid contact apparatus
105.	134096	27-3-73	Snamprogetti Sp. A 16, Corso Vanezia, Milan, Italy.	A press vessel and a method of manufacturing the same
106.	134150	31-12-71	Gebruder Ortlinghaus Wermelokirchen, Kenkhauser street, FRG.	Combined press operated clutch cracking device.
107.	134177	4-1-72	Chicago Pneumatic Tool Co., 6 East 44th Street, N. Y., N. Y. 10017 U.S.A.	Pneumatic tool having combined nut running & crimping mechanism.
108.	134196	5-1-72	Banker Ramo Corp., 900 Commercial Drive, Oak Brook, Illinois, USA	Miniature connector module for
109.	134203	31-3-73	Indian Explosives Ltd., 31, Chowringhee Calcutta-700 071, India.	Production of castriaged slurry blasting explosives.
110.	134220	7-1-72	Schubert of Salzer etc., W. Germany	A fibrous material mixing apparatus
111.	134237	10-1-72	S. Meni & Co. G. floor 130/B Jadhpur Park, Calcutta-31 India	Gearing and lubricating means thereof.
112.	134238	10-1-72	Do.	Do.
113.	134273	2-3-72	V. S. Satyanarayana 38 C. Irwin Road, New Delhi, India.	Oil sealing means for a piston
114.	134283	14-1-42	U. S. S. Engineers & Consultants Inc., 600 Grant Street, Pittsburgh Pennsylvania, U.S.A.	Adjustment of side trimmer knife
115.	134288	28-2-72	Ethicon Inc., Somerville, New Jersey U.S.A.	Retention surface bridge.
116.	134297	17-1-72	The Broken Hill Proprietary Co. Ltd., 500 Bourke Street, Melbourne Victoria, Australia.	Forming an easy opening closure in a sheet metal container member and easy opening closure so formed.
117.	134315	13-1-72	Joseph Lucas Industries Ltd., England	Windscreen wiper control system
118.	134318	19-1-72	Ann Sealed Power Corp., 2001 Sanford Street, Muskegon, Michigan 49443, U.S.A.	Piston ring assemblies
119.	134343	20-1-72	Elkon Spiger Verket A/s Elkamhusset, Middlehusngate 27, Oslo, 3, Norway.	Arrangement for ventury gas scrubbers
120.	134356	22-1-72	Joseph Lucas Industries Ltd., England,	Battery changing system for road vehicles.
121.	134363	24-1-72	Do.	Do.
122.	134365	24-1-72	Do.	Gear selection mechanism for vehicles.
123.	134452	1-2-72	USA Engineerings Consultants Inc., U.S.A.	Producing thin flat cold rolled steel product having substantial aging resistance.
124.	134475	2-2-72	Norton Co. 1, New Bond Street, Worcester Massachusetts USA	Production of fused abrasives.
125.	134512	5-2-72	Joseph Lucas Industries Ltd., England	Control apparatus for I-C engine fuel injection systems.
126.	134518	7-2-72	Burmth Oil Trading Ltd., Burmth House, 57, Chiswell street, London EC1, England.	Hydraulic fluids
127.	134653	9-2-72	Joseph Lucas Industries Ltd., England	Nut and gear assembly for use in engine starter motor.
128.	134554	9-2-72	Do.	Locking arrangement for vehicle gearbox.
129.	134556	9-2-72	Ernst Jacobi & Co., 8900 Augsburg 41, Derehinger strasse 41/48 FRG	Sliding current pick-up for mobile cleaning apparatus for textile machinery
130.	134560	10-2-72	Sir James Palmer Norton & Co Ltd, Adelphi street, Salford 3, Manchester, M 609 HH England	Apparatus for treating webs.
131.	134567	10-2-72	Cluett Peabody & Co., Inc, 433 River street, Troy N. York USA	Production of knit fabrics and apparatus for the same.
132.	134569	10-2-72	Joseph Lucas Industries Ltd, England	Starter motors
133.	134607	14-2-72	Sundstrand Corp., 2531 Eleventh Street, Rockford Illinois USA	Hydromechinical transmission
134.	134618	15-2-72	Wood Brothers Glass Co. Ltd, Boreugh Flint Glass Works, Berrmsley, England	Marking of graduated volumetric measuring vessels of glassware & the like
135.	134627	16-2-72	Dunlop Holdings Ltd, England	High performance pneumatic tyres

1	2	3	4	5
136.	134662	18-2-72	Sunkist Growers Inc., 14136 Riverside St., Drive, Sherman Oaks, California, USA	Apparatus for automatically selecting between a plurality generally spherical object.
137.	134664	18-2-72	Dunlop Ltd., England.	A wheeled vehicle having skid control system
138.	134673	19-2-72	Wilhelm Hegher 8731 Oerlinbach, W. Germany.	Apparatus for protection of transversely profiled plastic pipes.
139.	134677	19-2-72	USS Engineers & Consultants Inc., 600 Grant Street, Pittsburgh, Pennsylvania U.S.A.	Apparatus for controlling weight and distribution of coating on a substrate.
140.	134693	21-2-72	Dunlop Ltd., Dunlop House Ryder Street, St. James London SW 1 England.	Manufacture of tyres.
141.	134705	22-2-72	Glaverbel Mechaniver, 166 Chaussee de La Hulpe, Watermachielslo Belgium.	Manufacturing of sheet glass and sheet glass resulting therefrom.
142.	134706	22-2-72	Do.	Manufacturing of sheet glass.
143.	134721	23-2-72	C. A. V. Ltd., Well Street Birmingham 19, England	Governor Mechanism.
144.	134722	23-2-72	USS Engineering & Consultants Inc., 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Adjustable conducting roll apparatus.
145.	134727	9-2-73	V. S. Satyanarayana 38-C, Irwin Road, New Delhi India.	Piston rings.
146.	134736	20-4-72	Miles Laboratories 1127 Myrtle Street, Elkhart Indiana USA	Testing device for micro organism.
147.	134748	25-2-72	Institut De Recherches De La Siderrugie Francaise, France.	Metal feed supply of metallurgical plants which require regular flow of molten metal.
148.	134753	25-2-72	Joseph Lucas Industries Ltd., England.	Sealing an insert gas under pressure in a container.
149.	134763	25-2-72	Do.	Manufacturing a component for use in a roller clutch assembly.
150.	134780	13-2-73	Uddeholms Akt Uddeholm Sweden	Making paper & other cellulose products
151.	134824	4-3-72	British Steel Corpn 33 Grosvenor Place London SW 1 England.	Steel making
152.	134831	8-3-72	D. L. Rowland, 8 East 62nd Street, New York, N. Y. 100 21 USA	Assemblies of seats and backs usable in furniture automobiles and other vehicles.
153.	134882	8-3-72	Norton Co., 1, New bond Street, Worcester Massachusetts, USA.	Grinding wheels.
154.	134952	15-3-72	Dunlop Holdings Ltd., England.	Pneumatic tyre and wheel assemblies.
155.	134970	17-3-72	USS Engineering & Consultants Inc., 600, Street, Pittsburgh, Pennsylvania, USA.	Determining the true temperature of surface from the radiation.
156.	134980	18-3-72	Vysoke Ucení Technike Czechoslovakia.	Fuel injection pump of the piston type for I-C, engine.
157.	134992	20-3-72	Joseph Lucas Industries Ltd., England.	Starter motors for I/C engine.
158.	135003	19-4-73	Dr. P. Upadhyaya Associated prof in charge of Pediatric Surgery, All India Institute of Medical Science New Delhi, India.	Cerebrospinal fluid shunt valve.
159.	135022	22-3-72	William Prym Werke A. G. 519 Stalburg Phld., Zwettfer Str. 5-7 FRG.	Manufacturing sliding clasp fastener.
160.	135047	17-3-71	Pressure Cooker & Appliances Pvt. Ltd., United India Building, Sir P. M. Road, P. B. 1542 Bombay-1.	Handle for the lid of pressure cookers.
161.	135086	28-3-72	Norton Co., 1 New Bond Street, Worcester Massachusetts, U.S.A.	Coated abrasive material.
162.	135099	29-3-72	Svenska Akt., Bromsregulator, Adelgatan 5 21122 Malmo, Sweden.	Force transmitting device.
163.	135102	29-3-72	Emhart Industries Inc., 426 Colt Highway Farmington, Connecticut, USA	Making glassware by a press and blow technique.
164.	135131	3-4-72	Dunlop Holdings Ltd., England	Pneumatic tyres.
165.	135151	4-4-72	USS Engineers & Consultants Inc, USA	Operating mechanism for slidable gate closure.
166.	145168	5-4-72	Maschinen Fabrick 2 dl. J. Kruckeles, 7867 Zell (Werseatal) FRG	Winding machine for sheet materials.
167.	135170	4-4-72	National Institute of Design, Paldi, Ahmedabad-7 (India).	Type founds having devnagri characters
168.	135177	5-4-72	USS Engineers & Consultants Inc., USA	Treating liquid steel.
169.	135186	6-4-72	Do.	Replacing a holder for pouring tube on a bottom pour vessel.

RENEWAL FEES PAID

93203 93222 93223 93450 94264 96907 98547 98680 98759
 98819 98886 98901 99062 99083 99764 99786 99787 99825
 104219 104594 104650 104702 104808 104828 104940 104941
 105202 105294 105295 105296 105297 105413 105457 105573
 105629 107809 109612 110030 110056 110149 110184 110202
 110210 110228 110265 110272 110357 110396 110647 110866
 110955 110956 111173 111272 111328 111645 113496 113735
 114741 115290 115298 115338 115409 115444 115450 115511
 115512 115680 116334 116335 116336 116378 116402 116529
 117492 118320 119109 120211 120592 120633 120752 120816
 120843 120914 121140 121157 121191 121329 121465 124492
 121620 121713 121817 122050 124818 125860 125932 126051
 126061 126075 126208 126235 126349 126399 126732 126810
 126837 126908 127150 127252 127263 129044 129231 129498
 130692 130694 130698 130750 130752 130791 130831 130837
 130873 130874 130875 130921 130974 131002 131029 131090
 131098 131099 131102 131139 131140 131252 131253 131289
 131308 131398 131404 131429 131431 131453 131635 131648
 131731 131732 131734 131740 131741 131761 131773 131896
 132809 134710 134711 134736 134758 135019 135046 135054
 135067 135159 135217 135332 135344 135345 135366 135467
 135758 135857 135860 135917 135952 136306 136377 136480
 136792 136870 136902 137169 137177 137720 138537 138794
 138939 138979 139202 139300 139486 139516 139615 139859
 139919 139927 140038 140309 140334 140351 140486 140858
 140910 141047 141063 141078 141100 141145 141215 141224
 141434 141532 141692 141921 141936 142111 142113 142127
 142293 142394 142417 142545 142569 142873 142927 142935
 142971 143172 143612

CESSATION OF PATENTS

94501 94517 94523 94530 94552 94553 94579 94580 94613
 94616 94624 94627 94646 94669 94703 94706 94725 94732
 94739 94748 94758 94762 94805 94818 94840 94849 94866
 94869 94889 94896 94899 130768 141237

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 138998 dated the 11th May 1973 made by Satya Narain Hailalka on the 5th June 1978 and notified in the Gazette of India, Part III, Section 2 dated the 26th Aug. 1978 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 139606 dated the 30th November 1974 made by Jatindra Nath Biswas on the 25th July 1978 and notified in the Gazette of India, Part III, Section 2 dated the 23rd Sept. 1978 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 144045 dated the 2nd Aug. 1973 made by Fertilizer Corporation of India Ltd. on the 25th April 1978 and notified in the Gazette of India, Part III, Section 2 dated the 8th July 1978 has been allowed and the said patent restored.

REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

NIL

COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 141402, 141478, 141663.....Class—1.
 Design Nos. 140862 to 140867, 141347, 141366
 to 141369Class—3
 Design Nos. 141454 to 141458.....Class—4
 Name Index of Applicants for Patents for the month of
 January 1979 (Nos. 1/Cal/79 to 103/Cal/79; 1/Bom/79 to
 33/Bom/79, 1/Mas/79 to 19/Mas/79 and 1/Del/79 to
 75/Del/79.

Name & Application No.

(A)

A'S Norcem.—4/Del/79.
 Aofonso, L.D.S.—2/Cal/79.
 Ahmedabad Textile Industry's Research Association—1/Bom/79.
 Aimants Ugimag S.A.—16/Del/79.
 Akerkar, B.G.—10/Bom/79.
 Aktiengesellschaft Kuhnle & Kupp & Kausch.—69/Cal/79.
 Aktiengesellschaft, Kuhnle, Kopp Kausch & Kausch.—88 Cal/79.
 Alcan Research and Development Limited.—12/Del/79.
 Aluminum Pechiney.—1/Del/79.
 Anandam, M.—28/Del/79.
 Apparao, D.—28/Del/79.
 Asea Aktiebolag.—40/Del/79.
 Ashida, S.—67/Cal/79.
 Australasian Training Aids (Pty) Ltd.—16/Cal/79 & 17/Cal/79.

(B)

Bapat, B.S.—24/Bom/79.
 Bapat, G.S.—24/Bom/79.
 Baskind, D.L.—17/Del/79.
 Bayer Akitengesellschaft.—18/Del/79 & 51/Del/79.
 Bharti, A.K.—32/Cal/79.
 Bhatt, K. C.—13/Mas/79.
 Biuro Projektow Pizemyslu Cukrowniczego "Cukloprojekt".—79/Cal/79.
 Board of the Rubber Research Institute of Malaysia, The.—15/Del/79.
 British Industrial Plastics Limited.—11/Del/79.
 Bunker Ramo Corporation.—60/Cal/79 & 73/Cal/79.
 Burroughs Corporation.—102/Cal/79.

(C)

CCI Systems Limited.—30/Cal/79.
 Carborundum Company, The.—23/Cal/79.
 Carrier Corporation.—53/Del/79, 71/Del/79 & 73/Del/79.
 Charles, T.—5/Cal/79.
 Chekuri, A.—50/Cal/79.
 Chekuri, R.—50/Cal/79.
 Chief Controller, Research and Development, Ministry of Defence Government of India, The.—14/Del/79 & 34/Del/79.
 Chloride India Limited.—37/Cal/79.
 Chlorine Engineers Corporation, Ltd.—8/Cal/79.
 Chuang-Li, H.—26/Bom/79.
 Colour-Chem Limited.—32/Bom/79.
 Council of Scientific and Industrial Research.—3/Del/79, 20/Del/79, 29/Del/79, 30/Del/79, 46/Del/79, 47/Del/79, 48/Del/79, 49/Del/79, 55/Del/79, 56/Del/79, 57/Del/79 & 58/Del/79.

(D)

Dr. C. Otto & Comp. GMBH.—1/Cal/79.
 Das, N. K. (Dr.).—51/Cal/79.
 Dasguta, R.—22/Cal/79.
 David Brown Gear Industries Limited.—80/Cal/79.
 Davy Powergas GmbH.—36/Cal/79.

Name & Application No.

(D.—Contd.)

Delhi Cloth & General Mills Company Limited.—5/Del/79,
6/Del/79 & 7/Del/79.
Demag Aktiengesellschaft.—84/Cal/79.
Director General, Research, Designs & Standards Organisation.
—9/Del/79 & 10/Del/79.
Dubey, A.—58/Cal/79.
Dubey, S. S.—58/Cal/79.
Dunlop India Limited.—15/Cal/79.
Durametallie Corporation.—39/Cal/79.
Dutta, K. K.—90/Cal/79.

(E)

E. T. Oakes Limited.—64/Del/79.
Eirich, G.—20/Cal/79.
Eirich, W.—20/Cal/79.
Energie Froide International S.A.—59/Del/79.
Environmental Elements Corporation.—14/Cal/79.
Escope Trading Company Aktiengesellschaft.—99/Cal/79.
Eszakmagyarorszag Vgvmuvek.—54/Cal/79.

(F)

F. Hoffmann-La Roche & Co.—27/Cal/79.
FMC Corporation.—13/Del/79 & 39/Del/79.
Fernandez, A.R.—19/Mas/79.
Fives-Cail Babcock.—26/Cal/79.
Flogates Limited.—23/Del/79.
Framatome.—60/Del/79.

(G)

G. D. Societa Per Azioni.—24/Cal/79.
Gandhi, M. C.—17/Bom/79.
Gandhi, P. C.—22/Bom/79.
Garware Wall Ropes Limited.—18/Bom/79.
Georg Fischer, Aktiengesellschaft.—61/Cal/79.
Gersoran S.A.—25/Cal/79.
Gnilitsky, B. S.—103/Cal/79.
Gopalakrishnan, S.—7/Mas/79.
Gratzmuller, C.A.—9/Cal/79.
Great Lakes Carbon Corporation.—101/Cal/79.

(H)

Hato, R.S.—27/Bom/79.
Havre, O.—38/Cal/79.
Hayashibara, K.—67/Cal/79.
Hilda, B.—5/Cal/79.
Hind Machinery Works.—28/Cal/79.
Hindustan Lever Limited.—8/Bom/79 & 30/Bom/79.
Hindustan Photo Film Manufacturing Company Limited.—
3/Mas/79.
Hirlekar, R.K.—33/Bom/79.
Hoechst Aktiengesellschaft.—21/Cal/79, 42/Cal/79, 43/Cal/
79 & 92/Cal/79.
Hwang Chuang-Li.—26/Bom/79.
Hydra-Tight Limited.—50/Del/79.
Hylsa, S.A.—63/Cal/79.

(I)

Imperial Chemical Industries Limited.—37/Del/79 & 62/Del/
79.
Indian Cable Company Limited, The.—44/Cal/79.

Name & Application No.

I.—Contd.

Indian Institute of Technology.—6/Mas/79.
Industrial & General Products.—17/Mas/79.
Institut Khimii Bashkirkogo Filiala Akademi Nauk SSSR.—
56/Cal/79.
Instytut Technologii Nafty.—49/Cal/79.
Irwin, M.I.R.—1/Mas/79.
Iyer, S.G.—11/Mas/79.

(J)

Jacques, R.—97/Cal/79.
Jain, G.C.—38/Del/79.
Jain, K.C.—31/Del/79, 32/Del/79 & 33/Del/79.
Jayaraman, C.—28/Del/79.
Jyoti Limited.—25/Bom/79.

(K)

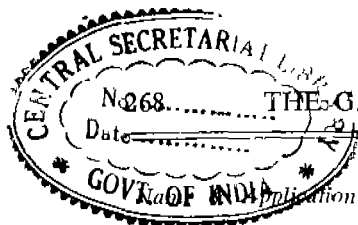
Kamshitsky, P.V.—103/Cal/79.
Kandasamy, M.—18/Mas/79.
Kemco Chemicals.—64/Cal/79.
Khanna, S.D. (D.I.).—54/Del/79.
Kolosov, I.A.—96/Cal/79.
Koshman, V.I.—103/Cal/79.
Koster, H. (Dipl. Ing.).—42/Del/79.
Kothari, R.P.—16/Bom/79.
Krishna, B.—28/Del/79.
Krupp-Koppers GMBH.—72/Del/79.
Kureha Kagaku Kogyo Kabushiki Kaisha.—13/Cal/79.
Kuryshchev, N.V.—96/Cal/79.
Kusters, E.—12/Cal/79.

(L)

La Cellophane.—52/Del/79.
Larsen & Toubro Limited.—28/Bom/79.
Latif, A.—66/Cal/79.
Lettera Arabica S.a.r.l. 24/Del/79 & 27/Del/79.
Lockheed Corporation.—61/Del/79.
London & Malaga Board Company Limited.—66/Del/79.
Lucas Industries Limited.—18/Cal/79 & 19/Cal/79.
Luossavaara-Kiirunavaara Aktiebolag.—87/Cal/79.

(M)

Mail Order Sales Private Limited.—21/Bom/79.
Makhija, A.H.—12/Bom/79.
Makhija, M.H.—12/Bom/79.
Marangoni RTS S.p.A.—100/Cal/79.
Marley Company, The.—41/Cal/79.
McMaster, H.A.—74/Cal/79.
Mehrotra, P. K.—43/Del/79.
Merck Patent Gesellschaft mit beschränkter Haftung.—62/
Cal/79.
Messerschmitt-Bolkow-Blohm Gesellschaft Mit Beschränk
Haftung.—74/Del/79 & 75/Del/79.
Metal Box Limited.—59/Cal/79 & 95/Cal/79.
Mohideen, A.C.M.—4/Mas/79 & 5/Mas/79.
Monash University.—33/Cal/79, 34/Cal/79 & 35/Cal/79.
Mono Pumps Limited.—8/Del/79.
Monsanto Company.—3/Cal/79 & 11/Cal/79.
Montedison S.p.A.—7/Cal/79.
Motion Control Corporation.—44/Del/79.



N.—Contd.

S.—Contd.

Application No.

Name & Application No.

(N)

NRM Corporation.—77/Cal/79 & 78/Cal/79.
N. V. Philips' Gloeilampenfabrieken.—98/Cal/79.
Nair, V.B.—15/Mas/79.
Nironenko, V. G.—103/Cal/79.
Nitschke, J.S.—74/Cal/79.
Nitschke, N.C.—74/Cal/79.
Nitto Boseki Co. Ltd.—10/Cal/79.
Nityanand, L.P.R.—10/Mas/79.

(O)

Ovutime, Inc.—93/Cal/79.

(P)

Padmaraj, B.L.—9/Mas/79
Palitex Project-Company GmbH.—52/Cal/79.
Pardasanl, R.R.—6/Bom/79, & 13/Bom/79.
Parikh, R.T.—29/Bom/79.
Patel, G.G.—15/Bom/79.
Pathak, S.S. (Mrs).—7/Bom/79.
Patil, S.K.—24/Bom/79.
Petrichenko, V.F.—103/Cal/79.
Pinto, A.I.—4/Bom/79.
Polytype AG.—9/Bom/79.
Pont-A-Mousson S.A.—68/Del/79.
Pophale, S.R.—2/Bom/79 — 3/Bom/79.
Prasad, J.A.—12/Mas/79.
Pressure Cookers & Appliances Ltd.—20/Bom/79.

(R)

RCA Corporation.—4/Cal/79.
Raja, C.A.—2/Mas/79.
Ratnaparkhi, P.K.—2/Bom/79 & 3/Bom/79.
Ratnaparkhi, R.K.—2/Bom/79 & 3/Bom/79.
Ray, S (Dr.).—45/Cal/79
Reactor Research Centre, Department of Atomic Energy,
The.—8/Mas/79.
Rockwell Golde GmbH.—57/Cal/79.
Roecur Holdings (Netherlands Antilles) N.V.—2/Del/79.
Rubens, H.A.—17/Del/79.

(S)

Saarbergwerke AG.—1/Cal/79.
Saco Tanning Corporation.—45/Del/79.
Saint-Gobain Industries.—81/Cal/79, 82/Cal/79 & 83/Cal/79.
Sairam, T.—28/Del/79.
Schmoock, H.—29/Cal/79.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—91/Cal/79.
Shell Internationale Research Maatschappij B.V.—55/Cal/79, 26/Del/79, 63/Del/79.

Siemens Aktiengesellschaft.—40/Cal/79 & 48/Cal/79.
Sindhani, I.N.—35/Del/79.
Singh, R.—19/Del/79.
Sinha, N. K.—85/Cal/79.
Smith Kline & French Laboratories Limited.—70/Del/79.
Societe D'Etudes DE Machines Thermiques S.E.M.T.—65/Del/79.
Societe D'Etudes Scientifiques ET Industrielles DE L' Ilo DE France.—31/Cal/79 & 46/Cal/79.
Societe Internationale DE Macanique Industrielle S.A.—41/Del/79.
South India Textile Research Association, The.—16/Mas/79.
Spence, W.G.—86/Cal/79.
Srinivasan, S.—31/Bom/79.
Stauffer Chemical Company.—53/Cal/79.
Sterlitamaxky Imeni 50-Letia Bassy Zavod Sinteticheskogo Kauchuka.—56/Cal/79.
Stork Brabant B.V.—94/Cal/79.
Subba Rao, V. S.—85/Cal/79.

(T)

Tetra Pak Development SA.—68/Cal/79.
Thompson, H.—47/Cal/79.
Thyroid Diagnostics, Inc.—21/Del/79.
Tioxide Group Limited.—36/Del/79.
Toraskar, K.D.—23/Bom/79.
Toyo Engineering Corporation.—22/Del/79 & 25/Del/79.

(U)

USS Engineers and Consultants, Inc.—69/Del/79.
Ultrafin, S.A.—67/Del/79.

(V)

Vudodaria, R.B.—29/Bom/79.
Varughese, I.—5/Bom/79.
Vereinigte Österreichische Eisen-Und Stahlwerke-Alpine Montan Aktiengesellschaft.—75/Cal/79.
Viswanathan, K.—14/Mas/79.
Vsesojuzny Nauchno-Issledovatel'sky Institut Produktov Brozheniya.—89/Cal/79.

(W)

Wagh, A.S.—19/Bom/79.
Waghela, R.L.—11/Bom/79.
Wavin, B. V.—65/Cal/79.
Wean United, Inc.—6/Cal/79.
Westinghouse Electric Corporation.—70/Cal/79, 71/Cal/79 & 72/Cal/79.

(Y)

Yashmun Engineers Limited.—14/Bom/79.

(Z)

Zauli, D.—76/Cal/79.

S. VEDARAMAN,
CONTROLLER GENERAL OF PATENTS
DESIGN AND TRADE MARKS.